

IN THE CLAIMS

Please cancel claims 2-3, 16, and 18-20 and amend the claims as follows:

1. (Currently Amended) A golf ball comprising:  
a core having a compression of no greater than about 90; and  
a cover having at least one layer being formed from a blend ~~including~~ comprising:  
a polyether-type thermoplastic polyurethane having a percent rebound  
resilience of greater than 60 such that the golf ball has a coefficient of  
restitution of greater than about 0.76; and  
a second thermoplastic component selected from the group consisting of  
polyesterester block copolymers, polyetherester block copolymers,  
polyetheramide block copolymers, dynamically vulcanized  
thermoplastic elastomers, styrene-butadiene elastomers, other  
thermoplastic polyurethanes, thermoplastic polyesters, polymers  
formed using a metallocene catalyst, and blends thereof.
2. (Canceled) The golf ball of claim 1, wherein the blend further comprises a second  
component, wherein said second component is a thermoplastic material.
3. (Canceled) The golf ball of claim 2, wherein the second component is selected from  
the group consisting of polyesterester block copolymers, polyetherester block copolymers,  
polyetheramide block copolymers, dynamically vulcanized thermoplastic elastomers, styrene-  
butadiene elastomers, other thermoplastic polyurethanes, thermoplastic polyesters, polymers  
formed using a metallocene catalyst, and blends thereof.
4. (Currently Amended) The golf ball of ~~claim 3~~ claim 1, wherein the second component  
comprises a polyetherester block copolymer.
5. (Currently Amended) The golf ball of ~~claim 3~~ claim 1, wherein the blend further  
comprises a density adjusting filler in an amount sufficient to provide the at least one layer  
with a specific gravity of greater than about 1.2.

6. (Original) The golf ball of claim 5, wherein the at least one layer has a specific gravity of greater than about 1.25.
7. (Original) The golf ball of claim 6, wherein the density adjusting filler comprises zinc oxide.
8. (Currently Amended) The golf ball of claim 1, wherein the blend comprises about 20 to 90 percent by weight of the polyether-type polyurethane and about 5 to 50 weight percent of a the second thermoplastic component.
9. (Currently Amended) The golf ball of claim 8, wherein the blend comprises about 30 to 60 percent by weight of the polyether-type polyurethane and about 20 to 40 weight percent of a the second thermoplastic component.
10. (Original) The golf ball of claim 8, wherein the blend further comprises about 5 to 40 percent by weight of a filler material.
11. (Currently Amended) The golf ball of claim 1, further comprising an intermediate layer, wherein the intermediate layer has a Shore D hardness of about 25 to 50 and a flexural modulus of about 1,000 psi to 8,000 psi.
12. (Original) The golf ball of claim 1, wherein the golf ball has a compression of no greater than about 90.
13. (Original) The golf ball of claim 1, wherein the cover comprises a second layer of at least one of a thermoplastic or a thermoset material.
14. (Currently Amended) A golf ball comprising:  
a core comprising polybutadiene;  
a cover layer having a Shore D hardness of about 54 to 72; and  
at least one intermediate layer disposed between the cover and the core, wherein the intermediate layer has a Shore D hardness of less than about 40 and a flexural modulus of less than about 10,000 psi, and wherein the at least one

intermediate layer is formed from a blend comprising polyether-type polyurethane and a second thermoplastic component; and wherein the golf ball has a coefficient of restitution of greater than about 0.78.

13 16. (Original) The golf ball of claim <sup>12, 12</sup> 14, wherein the intermediate layer is formed from a blend comprising:

about 30 to 60 percent by weight of the polyether-type polyurethane;  
about 15 to 30 weight percent filler material; and  
about 20 to 40 weight percent of a block copolymer.

16. (Canceled) The golf ball of claim 14, wherein the intermediate layer has a Shore D hardness of less than about 40 and a flexural modulus of less than about 10,000 psi.

13 14 17. (Original) The golf ball of claim <sup>12, 12</sup> 14, wherein the blend comprises less than about 40 weight percent polycarbonate block copolymer.

18. (Canceled) A golf ball having a coefficient of restitution of greater than about 0.7 and a compression of at least about 50, wherein the ball comprises a core and a cover comprised of at least one layer disposed concentrically about the core, wherein the layer is a composition comprising a polyether urethane derived from a diisocyanate reacted with a hydroxyl terminated polyether and a glycol chain extender composition blended with a thermoplastic material.

19. (Canceled) The golf ball of claim 18, wherein the hydroxyl terminated polyether has alkylene oxide repeat units containing from 2 to 6 carbon atoms and a weight average molecular weight of at least 1,400.

20. (Canceled) The golf ball of claim 18, wherein the hydroxyl terminated polyether contains an alkylene oxide repeat group selected from the group of tetramethylene and butylene oxide.

21. (New) A golf ball comprising:  
a solid core having a hardness of about 30 Shore D to about 65 Shore D;

a layer disposed about the core comprising a thermoplastic composition, wherein the  
has layer a hardness of about 20 Shore D to about 60 Shore D; and  
a cover layer comprising a thermoset or thermoplastic composition.

22. (New) The golf ball of claim 21, wherein the thermoplastic composition comprises a first thermoplastic component and a second thermoplastic component.
23. (New) The golf ball of claim 22, wherein the first thermoplastic component is selected from the group consisting of a dynamically vulcanized thermoplastic elastomer, a functionalized styrene-butadiene elastomer, a thermoplastic polyurethane, a metallocene polymer, and mixtures thereof.
24. (New) The golf ball of claim 22, wherein the second thermoplastic component is selected from the group consisting of a thermoplastic polyurethane, a thermoplastic polyetherester, a thermoplastic polyetheramide, a thermoplastic ionomer resin, a thermoplastic polyester, a dynamically vulcanized thermoplastic elastomer, a functionalized styrene-butadiene elastomer, a metallocene polymer, and mixtures thereof.
25. (New) The golf ball of claim 21, wherein the thermoplastic composition has a percent rebound resilience of greater than about 60.
26. (New) The golf ball of claim 21, wherein the polyurethane composition has a flexural modulus of less than about 10,000 psi.
27. (New) The golf ball of claim 21, wherein the golf ball has a compression from about 50 to about 90.
28. (New) A golf ball comprising:  
a solid core;  
a layer disposed about the core having a thickness of about 0.005 inches to about 0.040 inches formed of thermoplastic polyurethane composition; and  
a cover layer having a thickness of about 0.010 inches to about 0.100 inches formed of a thermoset composition.

29. (New) The golf ball of claim 28, wherein the layer has a thickness of about 0.01 inches to about 0.03 inches.
30. (New) The golf ball of claim 28, wherein the thermoplastic polyurethane composition has a percent rebound resilience of greater than about 60.
31. (New) The golf ball of claim 28, wherein the thermoplastic polyurethane composition has a hardness of about 25 Shore D to about 50 Shore D.
32. (New) The golf ball of claim 28, wherein the thermoset composition comprises a rubber-based castable urethane.
33. (New) The golf ball of claim 28, wherein the cover has a hardness of about 54 Shore D to about 72 Shore D.
34. (New) A golf ball comprising:  
a core;  
a layer disposed about the core comprising a thermoplastic composition having a flexural modulus of less than about 10,000 psi; and  
a cover comprising a thermoplastic polyurethane, a thermoset polyurethane, or a combination thereof.
35. (New) The golf ball of claim 34, wherein the cover has a hardness of about 54 Shore D to about 72 Shore D.
36. (New) The golf ball of claim 34, wherein the thermoplastic composition has a percent rebound resilience of greater than about 60.
37. (New) The golf ball of claim 34, wherein the layer has a hardness of about 25 Shore D to about 50 Shore D.
38. (New) The golf ball of claim 34, wherein the layer has a flexural modulus of about 1,000 psi to about 8,000 psi.